IN THE CLAIMS

Please amend the claims as follows:

1. (original) A low-pressure gas discharge lamp, which is equipped with a gas-discharge vessel containing an inert gas filling as the buffer gas and an indium, thallium and/or copper halide, and with electrodes and with means for generating and maintaining a low-pressure gas discharge, characterized in that it has, as the electron emitter substance, a mixture of BaO, SrO, CaO, and MgO, wherein:

a) the molar proportion of BaO is less than 1 percent by weight,

b) the molar proportion of SrO is less than 10 percent by weight,

c) the sum of the molar proportions of CaO and MgO is greater than 90 percent by weight, while the CaO proportion in the CaO/MgO mixture lies between 10 and 90 percent by weight.

2. (original) A low-pressure gas discharge lamp as claimed in claim 1, characterized in that it contains an inert gas from the group of helium, neon, argon, krypton and/or xenon as the buffer gas.

3. (currently amended) A low-pressure gas discharge lamp as claimed in ~~claims 1 and 2~~claim 1, characterized in that a fluorescent coating is applied to the interior and/or exterior of the gas discharge vessel.

4. (original) A use of the electron emitter substance as claimed in claim 1 for coating electrodes in discharge lamps.

5. (original) A use of the electron emitter substance as claimed in claim 1 for coating a tungsten electrode.